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vestigation, at least in an atmosphere of investigation, and anything that vitiates this atmosphere impairs our teaching function as well.

The universities must see to it, therefore, that there is developed a renewed appreciation of the place of research in the university, and an increasing determination to permit no other function to diminish its opportunity, and to allow no method of administration to depress its spirit.

JOHN M. COULTER

UNIVERSITY OF CHICAGO

#### THE SAN DIEGO MEETING OF THE PACIFIC DIVISION OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

SEVERAL societies have determined to participate in the San Diego meeting of the Pacific Division of the American Association occurring between the dates, August 9 and 12, 1916. These societies will welcome the presentation of worthy papers from any of their members or from any members of the Pacific Division. Titles of papers to be presented, together with brief abstracts of their contents, should be forwarded to the secretary of the society before which the paper is to be offered as soon as possible and well in advance of the date of the meeting. The societies which will meet at San Diego are:

The Astronomical Society of the Pacific, Secretary, D. S. Richardson, 2541 Hilgard Avenue, Berkeley, California; the Cordilleran Section, Geological Society of America, Secretary, J. A. Taff, 781 Flood Bldg., San Francisco, California; the Western Society of Naturalists, Secretary, E. L. Michael, La Jolla, California, meeting in conjunction with the San Diego Natural History Society and the Pacific Slope Branch of the American Phytopathological Society; the Pacific Slope Branch, American Association of Economic Entomologists, Secretary E. O. Essig, University of California, Berkeley, and the Ecological Society of America, Secretary, Forrest Shreve, Desert Botanical Laboratory, Tucson, Arizona.

The opening of the San Diego meeting will be preceded on Wednesday, August 9, by exercises for the dedication of the recently completed museum building and concrete pier at

the Scripps Institution for Biological Research at La Jolla near San Diego. At the opening session of the meeting of the Pacific Division will be given the annual address of the President of the Division, Dr. W. W. Campbell, director of the Lick Observatory, Mount Hamilton, California, upon the subject, "What we know about Comets." This address will be followed by a reception to visiting scientists. On Thursday and Friday evenings, August 10 and 11, two other general public addresses will be given by Dr. Barton W. Evermann, director of the museum, California Academy of Sciences, San Francisco, upon the subject, "Modern Natural History Museums and their Relation to Public Education," and Dr. F. F. Westbrook, president of the University of British Columbia, upon a subject to be announced later.

The San Diego committee in charge of the local preparations for this meeting is as follows:

Dr. Fred Baker, Point Loma, chairman; W. C. Crandall, business manager of the Scripps Institution for Biological Research, La Jolla; Stanley Hale, San Diego County Chamber of Commerce, San Diego; E. L. Hardy, president of the California State Normal School, San Diego; Dr. E. L. Hewitt, director of the School of American Archeology, Santa Fe, New Mexico; Duncan MacKinnon, superintendent of schools, San Diego, and Dr. Wm. E. Ritter, director of the Scripps Institution for Biological Research, La Jolla.

In addition to the three general meetings of the Division and the meetings of participating societies on Thursday and Friday, a number of excursions to points of special scientific interest in the vicinity of San Diego are being planned. The committee in charge of these excursions consists of the following members of the staff of the Scripps Institution for Biological Research, La Jolla: Dr. F. B. Sumner, chairman, Dr. George F. McEwen and E. L. Michael.

The usual excursion rates of a fare and a third have been granted by the railroads from points in the states of Arizona, California, Oregon, Washington, Idaho, Nevada and Utah, and from British Columbia. In taking advantage of these rates, members are cautioned

to secure special certificates when purchasing their tickets to San Diego, paying one full fare from the point of departure to San Diego. These certificates when signed by the secretary of the Pacific Division and by a railway representative at San Diego will entitle the holder to a return ticket upon the payment of one third of the regular fare, plus the validation fee of fifty cents.

Tickets will be on sale in California, Arizona, Utah and Nevada from August 7 to 15, inclusive, and in Oregon, Washington, Idaho and British Columbia from August 2 to 11, inclusive. Tickets will be honored for return from August 9 to 17, inclusive.

Visitors attending the San Diego meeting from the north may include a trip to the Yosemite Valley on either portion of the trip by choosing a route over the San Joaquin Valley lines of the Southern Pacific or Santa Fe Railways. Transfer from the main lines is made at Merced and the additional cost of the trip from Merced to the Yosemite Valley, including automobile transportation from the end of the railroad at El Portal into the Valley, is \$18.50. If the trip is extended to the Wawona and Mariposa Grove of Big Trees, the charge is \$33.50, and if by way of Glacier Point, \$37.50.

One fare rates to San Diego have been quoted as follows:

Los Angeles .....	\$3.75
Tucson .....	23.20
Salt Lake City, via San Francisco .....	43.85
via Salt Lake Route .....	34.35
Reno .....	22.20
San Francisco .....	16.80
Portland .....	34.70
Seattle .....	40.30
Vancouver .....	44.55
Moscow .....	45.80

Special exposition rates have been made from points in Utah to San Diego, direct or by way of San Francisco, over lines of the San Pedro, Los Angeles and Salt Lake Railway Salt Lake Route. Full information concerning these rates may be secured from local agents.

Steamship rates have been quoted as follows:

By the Pacific Coast Steamship Company, round trip from San Francisco to San Diego and return,

good for thirty days, \$17.00, including berth and meals; from Seattle, Tacoma, Everett and Vancouver to San Diego and return, round trip good for thirty days, \$53.00, including berth and meals.

By the Pacific Navigation Company, from San Francisco to San Diego, round trip tickets on sale from June 1 to September 30, good for ninety days, return date not later than October 31, \$12.50, berth and meals extra.

By the Great Northern Pacific Steamship Company, from Portland to San Francisco by steamer and from San Francisco to San Diego by rail, one way fare, \$31.70; return ticket in conjunction with railway rate, authorized on receipt certificate plan, \$14.70.

### SCIENTIFIC NOTES AND NEWS

THE fourteenth annual session of the South African Association for the Advancement of Science will be held at Maritzburg on July 3 to 8, inclusive, under the presidency of Professor L. Crawford, professor of mathematics, South African College, Cape Town.

ON May 20 the former students and friends of Professor Gage gave him a complimentary dinner on his sixty-fifth birthday. The dinner was attended by more than 100, including several of his former students from out of the city. A large number of letters and telegrams of congratulation were received from those unable to attend. At this dinner a fund was presented to the university for the purpose of establishing at Cornell University a Simon Henry Gage Fellowship in Animal Biology in honor of Professor Gage.

A COMPLIMENTARY dinner was given to Dr. S. J. Meltzer, at the Chemists Club on May 15, by a group of friends and associates. The speakers at the occasion were Drs. Haven Emerson, W. J. Gies, H. C. Jackson, Frederic S. Lee, Jacques Loeb, Graham Lusk, L. B. Mendel, T. H. Morgan and E. B. Wilson.

A COMPLIMENTARY dinner was extended to Dr. Daniel W. Hering, professor of physics and dean of the graduate school of New York University by his colleagues of the faculties of the college of pure arts and sciences, the school of applied science and the graduate school on May 29 at the Hotel Manhattan. Dean Hering retires in June.